

CHAPTER 3 – OVERVIEW OF SLOPES

SLOPES IDENTIFIED FOR STUDY

To execute the objectives of this project, three sites with a known history of slope instability have been chosen for piloting the application of InSAR, including the Prosser slide near Benton City (WA), the Cimarron slide at Owl Creek (CO) and several slides within Mesa Verde National Park (CO). Descriptions of these sites are described below in further detail.

PROSSER

This section is a summary from a Washington State Department of Transportation (WS-DOT) memorandum, dated November 2002.⁽¹⁵⁾ WS-DOT has documented several problematic regions of ground movement along Interstate-82 near Benton City, at mileposts (MP) 90.6 and 91.9 as indicated in Figure 10 and shown in the accompanying photograph in Figure 11. The MP 90.6 site became a problem in 2002, while the MP 91.9 section (Prosser Landslide) has been a problem area since construction of the highway in the mid to late 1980's.

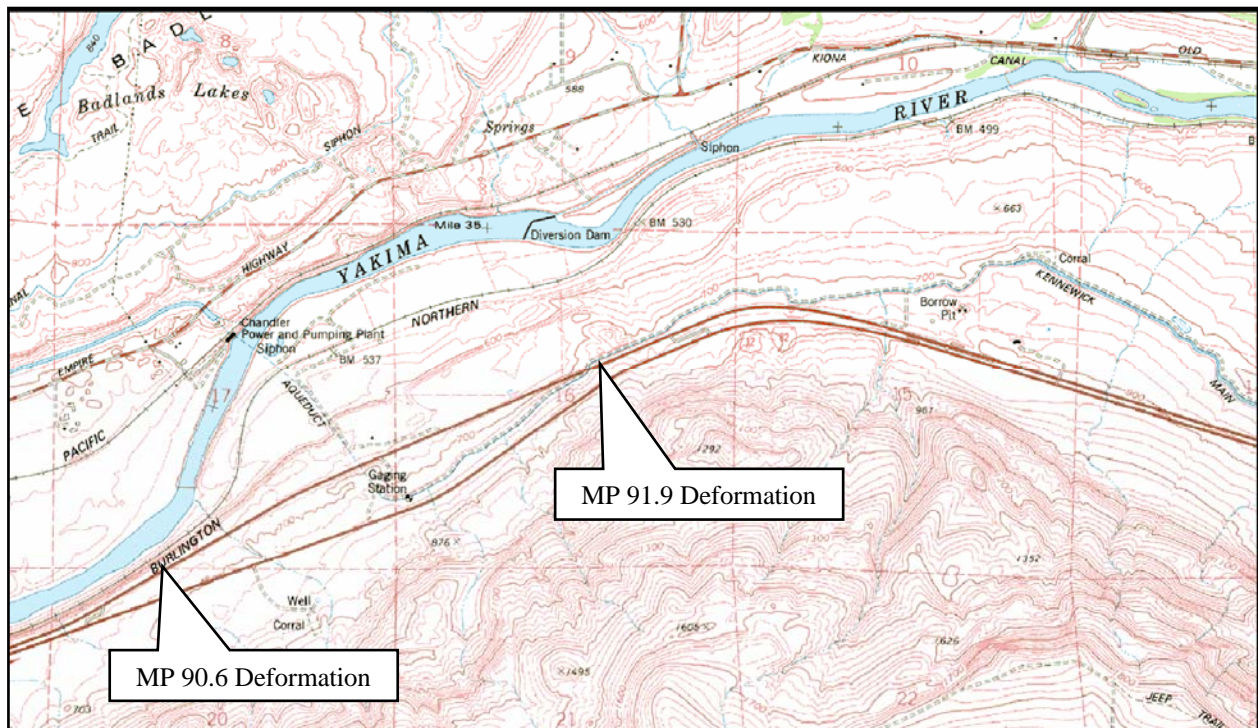


Figure 10. Map. Topographic map showing Interstate-82 and the unstable slopes to the south of the Interstate.